

Peer Review

Review of: "Semantic Data Augmentation for Long-tailed Facial Expression Recognition"

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This paper proposed an ML-based method to solve the long-tail problem for face expression recognition. The paper is easy to read, and there are some suggestions.

1. For the reconstruction loss, what is $P(x)$ in eq. (3)?
2. Eq. (3) contains two terms, the first one measures the distance between the original image and the generated image. However, x' , the generated image, is augmented; it has a longer distance to the original image x . Is there any contradiction here because we want to minimize the distance but want x' distinct from x ?
3. How to train the network needs to be more specific, e.g., when to optimize the VAE module and when to optimize the GAN module.

Declarations

Potential competing interests: No potential competing interests to declare.